

# Comparisons of Job Characteristics

**Focus Occupation:** [Maintenance Workers, Machinery \(49-9043\)](#)

**Associated Occupation:** [Operating Engineers and Other Construction Equipment Operators \(47-2073\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 73

**Focus Occupation:** Maintenance Workers, Machinery (49-9043)

**Associated Occupation:** Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Building and Construction	4.0	15.0	10.3	<< Extensive education and/or training may be required
Mechanical	6.8	13.4	21.8	>> Current knowledge level is likely more than sufficient
Public Safety and Security	6.9	10.5	8.1	< Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 71

**Focus Occupation:** Maintenance Workers, Machinery (49-9043)

**Associated Occupation:** Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	13.4	10.6	< A higher skill level may be required
Operation Monitoring	6.6	10.0	11.9	> Skill level is likely sufficient
Equipment Maintenance	3.5	6.9	11.9	>> Skill level is likely more than sufficient
Troubleshooting	4.5	6.6	11.0	>> Skill level is likely more than sufficient
Repairing	3.4	6.4	11.8	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 78

**Focus Occupation: Maintenance Workers, Machinery (49-9043)**

**Associated Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Multilimb Coordination	6.0	13.2	8.2	<<	Extensive improvement in abilities may be required
Control Precision	6.6	12.6	9.5	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	12.2	7.9	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	9.7	8.4	<	Some improvement in abilities may be required
Response Orientation	4.0	8.7	5.8	<<	Extensive improvement in abilities may be required
Rate Control	3.8	8.6	7.1	<	Some improvement in abilities may be required
Glare Sensitivity	2.6	5.5	3.2	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 70

**Focus Occupation: Maintenance Workers, Machinery (49-9043)**

**Associated Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)**

Work Activities	Exclusivity of Activity
Install equipment or attachments on machinery or related structures	48
Operate crane in construction, manufacturing or repair setting	76
Operate hoist, winch, or hydraulic boom	34
Signal directions or warnings to coworkers	42
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 73

**Focus Occupation: Maintenance Workers, Machinery (49-9043)**

**Associated Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)**

Tools and Technologies	Exclusivity
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Computers	1
Cutting and crimping and punching tools	3
Forming tools	2
Hearing protectors	12
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Machine tools	7
Machinery for working wood and stone and ceramic and the like	12
Measuring and layout tools	3
Metal bending and forming machinery	17
Pneumatic tools	8
Power tools	2
Respiratory protection	6
Soldering and brazing and welding machinery and supplies	6
Tool attachments and accessories	12
Vision protection and accessories	3
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.